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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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8 October 2015

(54) Title: INTEGRATED CONSUMER GENOMIC SERVICES

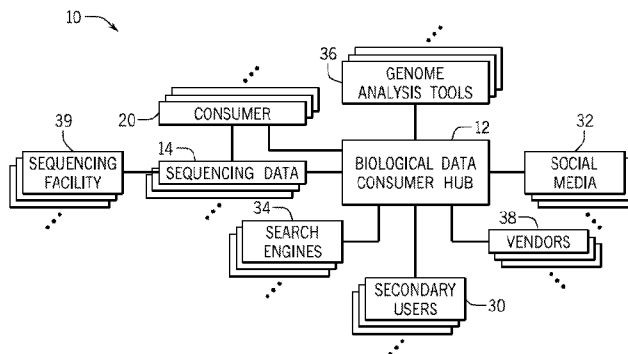


FIG. 1

(57) Abstract: The present invention provides a novel approach for consumer-driven interaction with sequencing data or genomic information. Sequencing data access, for users with a variety of access and permissions, may be mediated by a central hub. The hub may also facilitate access to the sequencing data for third party software applications. The hub may also provide data analysis or may have access to analyzed data to use such data in providing a user interface for a genome owner or for non-owner secondary users of the system.



WO 2015/123444 A3

INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2015/015674

A. CLASSIFICATION OF SUBJECT MATTER  
INV. G06F19/28  
ADD. G06F3/0486

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>Anonymous: "Drag and drop - Wikipedia, the free encyclopedia", 24 January 2014 (2014-01-24), XP055186807, Retrieved from the Internet: URL:http://en.wikipedia.org/w/index.php?title=Drag_and_drop&amp;oldid=592127371 [retrieved on 2015-04-29] abstract page 1, paragraph 2 page 3, paragraph 3</p> <p style="text-align: center;">----- -/--</p>	1-17

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  12 August 2015	Date of mailing of the international search report  20/08/2015
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Schmitt, Constanze

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2015/015674

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>YILING YANG ET AL: "User Group Profile Modeling Based on User Transactional Data for Personalized Systems", 1 January 2005 (2005-01-01), PROGRESS IN ARTIFICIAL INTELLIGENCE LECTURE NOTES IN COMPUTER SCIENCE;LECTURE NOTES IN ARTIFICIAL INTELLIG ENCE;LNCS, SPRINGER, BERLIN, DE, PAGE(S) 337 - 347, XP019025237, ISBN: 978-3-540-30737-2 abstract page 2, paragraph 2 page 11, paragraph 2 page 4, paragraph 5 - paragraph 6 -----</p>	18-20

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2015/015674

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17

Method and system for processing genomic information and proposing genomic offerings via dragging an icon representing user data over an icon representing vendor data on a user interface.

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2. claims: 18-20

Method for processing genomic information via comparing user transaction data of two users.

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